



House Select Committee

*Modern Rock Cuts- Challenges &  
Obstacles*



## *Location*



## *Why Worry About*

- Increasing Right of Way cost
- Environmental Sensitive Culture
- Construction Cost
- Material disposal
- Aesthetics



# *Material Disposal*





## *Traditional Rock Cuts*





## *Why Change I-40 near TN state line*





*Costly Repairs  
Monetary  
Usability to Motorist*



# *Modern Construction Methods*

- More pre construction information (Planning)
- Less steep slopes
- Pre split slopes
- Rock Bolts





*Create a stable slope by constructing less steep slopes*



*Pre Split allows for very steep slopes*









*Typical rock slope configuration  
Use of pre split reduced material by 4 million CY on I-26  
project*





# *Rock Bolting adds safety to pre split slopes*



6. 19. 2001



# *Rock Bolts and Netting allows steeper slopes in lesser quality rock*





# *Modern Slopes are designed to eliminate*

*Before*



*After*





## I-26 Rock Cut In The Winter





# *Finished Product Questions*

